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lytes and of total solutes (molecules and ions) in the leaf tissue fluids.[3]

J. ARTHUR HARRIS,
ROSS AIKEN GORTNER,
JOHN V. LAWRENCE

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

MINUTES OF THE EXECUTIVE COMMITTEE OF THE COUNCIL

THE meeting was called to order at the Hotel Belmont, New York City, on October 17, at 11 A.M., with Dr. Simon Flexner in the chair. The following members were present: Cattell, Fairchild, Flexner, Humphreys, Livingston, Nichols, Osborn.

1. *Minutes of last meeting* (published in SCIENCE, May 7, 1920) were approved.

2. *Audited report of retiring permanent Secretary* (Dr. L. O. Howard, for period from November 1, 1919, to April 1, 1920, was accepted and ordered to be filed and published in SCIENCE.

3. *Summarized report of new permanent secretary* (Dr. Burton E. Livingston) for period from April 1 to September 30, 1920, was accepted and it was ordered that such parts of it be published in SCIENCE as seem desirable to the permanent secretary. (The financial statement will be presented to the council before publication; other features will shortly appear in SCIENCE.)

4. *Election of section officers.*—Dr. A. E. Jenks was elected to be vice-president and chairman of Section H (Anthropology). Dr. E. A. Hooton was elected secretary of Section H.

5. *A special committee on the organization of Section H (Anthropology)*, which is a new section, formed by the division of the old Section of Anthropology and Psychology, was established, this committee to be appointed by the president and permanent secretary in collaboration and to cooperate with the section officers just elected. (This committee will shortly be announced in SCIENCE.)

6. *Present permanent secretary* was nominated to the council, to continue to serve during the ensuing 4-year term as heretofore; that is for one third of his time.

7. *Other nominations for Association officers* (president, general secretary, treasurer, five council members, two executive committee members). It was voted that these nominations be made at the first meeting of the council at Chicago and that elections occur at a later meeting of the council.

8. *Nominations for Committee on Grants* (3 members), to be appointed by the president with advice of the council. The executive committee recommends to the council that it is desirable to nominate members who are not now members of the Grants Committee, but the various branches of science should continue to be severally represented as heretofore. This matter should receive attention at first Chicago meeting of Council and nominations should be made at second meeting.

9. *Science News Service,* supported by Mr. W. E. Scripps. Dr. J. McK. Cattell and Dr. Geo. T. Moore were elected to represent the association in an advisory committee of this service.

10. *Editorial Committee for Science.*—It was voted that this committee continue to be constituted as heretofore; namely, of (*a*) its original members, (*b*) the chairman of the association sections for each year, and (*c*) the members of the executive committee.

11. *Determination of the chairman of Executive Committee.*—It was voted that chairman of this committee is to be elected by the committee at its last session at each 4-year meeting of the association, the term of office of the chairman to be for no more than four years.

12. *Election of Fellows.*—Three hundred and seven members were elected to fellowship, their nominations having been received from the following sources: by Secretary of Section A, 6; by Secretary of Section B, 37; by Secretary of Section E, 35; by Secretary of Section G, 162; by Secretary of Section O, 5; by Secretary of Section Q, 56; by permanent secretary, 6. It was voted that nominations for fellowship received by the permanent secretary shall hereafter be referred to the secretary of the proper section, so that all nominations shall come to the executive committee from the section secretaries. (Nominations for fellowship should be sent to section secretaries rather than to permanent secretary. Section secretaries are urged to send their lists of nominations to the permanent secretary in time so that they may be acted on at each meeting of the executive committee.)

13. *Auditor* for permanent secretary's annual report. The resignation of Mr. Herbert A. Gill was accepted and filed, and the committee passed

[3] This result holds within the individual classes. In comparing ligneous and herbaceous growth forms we note that the growth form with the higher total concentration has the lower conductivity. This is shown by the fact that the ratio of $K \times 10^6$ to Δ is 10923/1.217 for trees and shrubs but 14308/0.846 for herbs.

a unanimous vote of thanks to Mr. Gill for his valuable and much appreciated services as auditor. The appointment of an auditor for this year was referred to the president and permanent secretary, with power.

14. *Organization of Committee on Grants.*—It was voted that Committee on Grants shall elect its chairman and secretary.

15. *Place of 1922–23 annual meeting.*—This was discussed, and Boston was tentatively recommended. (The 1921–22 annual meeting is to be held at Toronto.)

16. *Expenses of section secretaries attending annual meetings.*—It was voted to recommend to the council that Art. X., Sect. 2, of the by-laws be so amended as to authorize the permanent secretary to pay section secretaries who attend annual meetings a refund amounting to four cents per mile for the round trip in each case.

17. *Expenses of section secretaries attending the Chicago meeting.*—The permanent secretary was authorized to refund to each section secretary attending the Chicago meeting a sum amounting to four cents per mile for his round trip.

18. *Expenses of executive committee members* attending spring and fall committee meetings. It was voted to recommend to the council to take under consideration the amendment of Art. X., Sect. 3, of the by-laws so as to authorize the permanent secretary to pay executive committee members attending spring or fall meeting of this committee a refund amounting to four cents per mile for the round trip in each case.

10. *Sonora and Chihuahua.*—It was voted to recommend to the council that Art. VI., Sect. 1, of the by-laws be so amended as to remove the Mexican states of Sonora and Chihuahua from the province of the Pacific Division and to place them in that of the Southwestern Division.

20. *Benjamin collection of portraits and autographs of association presidents.*—It was voted to recommend to the council that it authorize the permanent secretary to purchase for the association the Benjamin collection of portraits and autographs of the presidents of the association (74 portraits, each with autograph letter), at a price of $300.

21. *Proposal to inaugurate a section on History of Science.*—This action has been recommended by a large number of members. The proposal was thoroughly discussed but the committee did not feel justified in recommending it, since the proposed section would not be coordinate with the sections already established. It was suggested that this very desirable aspect of scientific advancement (which is thoroughly approved by the committee) be organized in the new section L (Historical and Philological Sciences), to which it appears logically to pertain.

22. *Committee vote by mail.*—It was voted that Professor Pickering's method for voting by mail be generally used by the permanent secretary when such voting of this committee is requisite.

23. *The Gamma Alpha Graduate Scientific Fraternity* was made an affiliated society by vote of this committee. (It will have two representatives in the association council.)

24. *Affiliation of state academies.*—It was voted to extend the special offer on this subject through 1921. Academies becoming affiliated before October 1, 1921, are to receive from the permanent secretary a payment amounting to one dollar for each academy member who has paid his annual dues ($5) to the association for the year 1921.

25. *Stationery for use of section secretaries.*—Proposal that permanent secretary's office furnish uniform stationery to all section secretaries was referred to permanent secretary, with power.

26. *Sectional committee personnel.*—It was voted that when an affiliated society embraces more than a single section of the association, its representatives in the association council shall not be members of any sectional committee.

27. *Railway rates for annual meetings.*—It was voted that the permanent secretary be instructed to investigate the basis on which reduced railway rates are sometimes granted to societies, with the aim of obtaining these rates for annual meetings of the association in the future. (Reduced rates for the Chicago meeting have been denied.)

The committee adjourned at 4.

Burton E. Livingston,
Permanent Secretary

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